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In the Matter	of:)) OF SOUTH CAROLINA			
LLC for Appr Plan Including	f Duke Energy C coval of Energy I g an Energy Effi of Energy Efficio	Efficiency) ciency Rider)	COVER SHEET DOCKET NUMBER: 2007 - 358 - E			
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Electric/Water/	Telecom	Application	Petition		Resale Amendment	
Electric/Water/		Brief	<u> </u>	econsideration	Reservation Letter	
Gas		☐ Certificate	Petition for R		Response	
Railroad		Comments		le to Show Cause	Response to Discovery	
Sewer		Complaint	Petition to Int	tervene	Return to Petition	
Telecommunic	ations	Consent Order	Petition to Inte	rvene Out of Time	☐ Stipulation	
☐ Transportation		Discovery	Prefiled Testi	mony	Subpoena	
Water		Exhibit	Promotion		☐ Tariff	
☐ Water/Sewer		Expedited Consideration	Proposed Ord	ler	Other:	
☐ Administrative	Matter	Interconnection Agreement	Protest			
Other:		Interconnection Amendmen	nt Dublisher's A	ffidavit		
		☐ Late-Filed Exhibit	Report			

STATE OF SOUTH CAROLINA

In the Matter of:)	TESTIMONY OF JAMES B. ATKINS
Application of Duke Energy Carolinas, LLC for Approval of Energy Efficiency Plan Including an Energy Efficiency Rider and Portfolio of Energy Efficiency Programs		ON BEHALF OF ENVIRONMENTAL DEFENSE, THE SOUTH CAROLINA COASTAL CONSERVATION LEAGUE, SOUTHERN ALLIANCE FOR CLEAN ENERGY AND THE SOUTHERN ENVIRONMENTAL LAW CENTER
)	
BEFORE THE PUB	LIC	SERVICE COMMISSION

DOCKET NO. 2007-358-E

1		I. <u>INTRODUCTION AND PURPOSE</u>
2		
3	Q.	PLEASE STATE YOUR NAME, ADDRESS AND AFFILATION.
4	A.	My name is James B. Atkins, and I reside at 157 Preserve Lane,
5		Columbia, South Carolina. I am the President of Regulatory Heuristics, LLC, a
6		single-member consulting firm specializing in energy and environmental policy
7		issues.
8	Q.	ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS CASE?
9	A.	I am testifying on behalf of Environmental Defense ("ED"), the South
10		Carolina Coastal Conservation League ("CCL"), Southern Alliance for Clean
11		Energy ("SACE") and the Southern Environmental Law Center ("SELC").
12		These nonprofit, nonpartisan organizations promote responsible energy choices
13		that solve global warming problems and ensure clean, safe and healthy
14		communities throughout the Southeast. It should be noted that I am not being
15		compensated by ED, CCL, SACE, SELC or any other entity for my work in this
16		matter. I am testifying because of the importance of this matter to improve and
17		protect our environment, to promote lowering of ratepayer bills compared to
18		future generation builds, and to assist in the development of a "progressive and
19		responsible" record and outcome in this Docket.
20	Q.	PLEASE STATE YOUR EDUCATIONAL BACKGROUND.
21	A.	I received a Bachelors of Science degree in Marine Science from the
22		University of South Carolina in 1976, a Masters of Science degree in
23		Environmental Systems Engineering from Clemson University in 1981, and a
24		Ph.D. in Marine Science from the University of South Carolina in 1998. My
25		dissertation focused on the optimal sizing of offstream reservoirs which are used
26		as an alternative water supply during drought conditions. This research included
27		demand side management ("DSM") routines to minimize on-peak pumping costs
28		for the water utility. I am also a certified mediator through the S. C. Council for
29		Conflict Resolution.

0.	PLEASE BRIEFLY	Y DESCRIBE YOUR	RELEVANT EXPERIENCE.
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A.

Since 2004, I have worked under contract with the Institute of Public Utilities at Michigan State University and the Critical Infrastructure Protection Program at George Mason University School of Law. This work has focused on critical infrastructure protection policies in the public utility sector, analysis of cost recovery in the electricity industry following the 2004-2005 hurricanes in the Gulf Coast, and the evaluation of State Energy Emergency Response Plans.

From 2000 to 2004, I represented the 2nd Congressional District as a member of the Public Service Commission of South Carolina ("Commission") and was a member, and past Vice Chair, of the Energy Resources and Environment Committee of the National Association of Regulatory Utility Commissioners ("NARUC"). I was also a member of the NARUC Board of Directors and served as Chair of the Subcommittee on Administration which oversaw NARUC's research and educational activities. I also represented NARUC as the Eastern U.S. State Regulatory representative on the Planning Committee of the North American Electric Reliability Corporation, and at the side conference on International Clean Energy Collaboration at the 2002 UN Framework Convention on Climate Change, COP-8, in New Delhi, India.

Prior to my service on the Commission, I was a research associate professor at the Earth Sciences & Resources Institute at the University of South Carolina where my research interests focused on drinking water protection, energy and water optimization modeling, environmental geographic information system mapping and environmental mediation. I was also a member of the extension faculty at North Carolina State University, where I worked on animal waste management issues, agricultural non-point source pollution, and on-farm energy efficiency. I have also worked as an engineer and scientist with a number of federal and state environmental agencies in South Carolina and North Carolina. Much of my work focused on water resources management issues including reservoir modeling regarding Federal Energy Regulatory Commission relicensing of hydropower facilities.

Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS
	PROCEEDING?

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A.

The purpose of my testimony today is to support the position of ED, CCL, SACE and SELC in this proceeding, and to offer my opinion and concerns over the Duke Energy Carolinas ("Duke") "save-a-watt" proposal and the methodology to calculate the Rider EE (SC). In particular, my testimony will (1) examine the inadequacy of the proposed energy efficiency ("EE") programs compared to Duke's historical DSM efforts, (2) offer evidence why Duke's proposed Rider EE is inconsistent with long-established regulatory principles used by the Commission and therefore should be denied, and lastly, (3) discuss Duke's save-a-watt proposal in light of the South Carolina Energy Conservation and Efficiency Act of 1992, S.C. Code §58-37-20.

Q. DO YOU HAVE A SUMMARY OF YOUR RECOMMENDATIONS?

I do. Regarding the adequacy of Duke's save-a-watt proposal, I can only conclude that the expected energy savings and capacity reductions of Duke's proposed save-a-watt program pale in comparison with Duke's Commission-approved load management and DSM efforts in the past. If approved by this Commission, implementation of the proposed save-a-watt program will not result in Duke's load management program measuring up to what it previously testified would be the "most comprehensive of any utility in this country" (emphasis added) in Docket No. 85-78-E.

I have a very high opinion of the capabilities of Duke in almost all aspects of the utility business. In fact, it is my opinion that Duke is capable of accomplishing much more in regard to DSM and energy efficiency programs than the company would achieve with the save-a-watt proposal, consistent with Mr. Rogers' leadership in the National Action Plan for Energy Efficiency. Because of the importance of this matter, the Commission should not accept anything less than Duke's full commitment to this effort.

Regarding the Commission's action on this matter, I would strongly recommend that Duke's application for the save-a-watt program be denied with prejudice. I would also recommend that the Commission order Duke to submit an James B. Atkins Testimony on Behalf of ED, CCL, SACE and SELC,

application to the Commission this year to re-examine (1) its general rates
contained in Order No. 91-1022, and (2) the rates and cost of capital associated
with Docket No. 1995-1192-E and as approved in Order 2007-591 should Duke
insist on using Docket No. 1995-1192-E as its under-pinning to calculate avoided
capacity and energy costs. This recommendation is based on the fact that Duke is
seeking Commission approval to implement a rate-recovery mechanism, the EE
Rider (SC), which will be applied to all South Carolina Rate Schedules.
Therefore, in making its decision, the Commission should apply the principles
contained in its prior ratemaking decisions, and in relevant court decisions. It
would be inappropriate for the Commission to approve a rate-recovery
mechanism in 2008 based on business and capital market conditions in 1995. To
do so would prejudice other companies appearing before the Commission in rate
case matters.

Most importantly, approval of the current proposal is not in the public interest since Duke has escalated the recovery of DSM program costs through the use of an artificially high cost of capital. Consistent with state law and with the long held practice and precedent of the Commission concerning rate making, the Commission cannot proceed with an evaluation of any future save-a-watt program and/or EE Rider (SC) until such time that the public and other interested parties are allowed the opportunity for a hearing to determine the correct cost of capital, based on current business and capital market conditions, to be used in DSM and energy efficiency programs proposed by Duke.

Lastly, regarding Duke's proposed cost recovery mechanism, I support the conclusions and testimony submitted by the other witnesses on behalf of ED, CCL, SACE, and SELC that the cost recovery plan is regressive, not in the ratepayers' interest, and inconsistent with generally accepted practices for DSM and energy efficiency cost recovery approved by other Commissions. I also believe it is patently unfair for Duke to attempt to recover excessive future avoided capacity and energy costs to promote DSM and energy efficiency practices which have no linkage to actual program costs or erosion of revenues based on an amortization of rate base found in Duke's current rate Order. If DSM James B. Atkins Testimony on Behalf of ED, CCL, SACE and SELC,

and energy efficiency practices cost less than the construction, financing and
operation of generation, transmission and distribution systems, then the ratepayer
should receive that benefit. Otherwise, the cost recovery mechanism would not be
consistent with generally accepted least cost planning and IRP concepts contained
in Order No. 98-502 or with S.C. Code \$58-37-20

Q.

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The Commission has already approved a cost recovery mechanism in Order No. 91-1022 which allows Duke to recover DSM program costs and in fact, to earn a return on those program costs, and to also recover lost revenues resulting from lost KWH sales due to DSM conservation programs. Despite this generous cost recovery mechanism approved and granted by the Commission--which was consistent with S.C. Code §58-37-20--Duke has never taken advantage of this opportunity because Duke has failed to request recovery of DSM costs in a general rate case.

II. <u>HISTORICAL DSM EFFORTS COMPARED TO THE</u> <u>SAVE-A-WATT PROGRAM</u>

WHAT DSM EFFORTS HAS DUKE PROPOSED IN THE PAST?

As referenced by a number of Duke's witnesses in this docket, Duke has a long history of running DSM programs. In 1974, as a result of the mid-1970's financial crisis, Duke realized that its forecast demand would outpace its ability to build facilities. Consequently, Duke launched a massive load management program which was the centerpiece of Duke's plan to meet its public service responsibility (Order No. 85-841, p. 11). Twenty years ago, load management and DSM efforts were an integral part of Duke's efforts to meet future power demands and were conducted in a manner **to minimize costs and rate impacts to its customers**. Specifically, load management and DSM efforts were major components of Duke's rate cases in Docket No. 82-50-E (Order No. 83-92), Docket No. 85-78-E (Order No. 85-841), Docket No. 86-188-E (Order No.86-1116) and Docket No. 91-216-E (Order No. 91-1022) which is Duke's current and most recent base rate Order.

A direct linkage also exists between the Commission's rate Orders for

Duke and Duke's Integrated Resource Planning ("IRP") requirements. Until 1998,

James B. Atkins Testimony on Behalf of ED, CCL, SACE and SELC,

PSCSC Docket No. 2007-358-E

1		load management and DSM activities were closely regulated by the Commission
2		as set forth in Order No. 93-845. However, the public transparency and rigor of
3		the IRP process was significantly constrained by Order No. 98-502 which limited
4		(1) the amount and types of information required of utilities in IRP filings, and (2)
5		the ability of the public and other interested parties to "reasonably understand" the
6		assumptions and information contained in the IRP filing.
7	Q.	PLEASE BRIEFLY REVIEW DUKE'S DSM EFFORTS APPROVED BY
8		THE COMMISSION IN PAST RATE CASES.
9		Duke's commitment to load management and DSM efforts can be found
10		on pp. 8-10 of Order No. 83-92 where Duke Witness Lee testified as follows:
11		
12		We expect that by 1996 the conventional load management
13		efforts will reduce the peak demand by over 5,700
14		megawatts, with an additional 553 megawatts from the
15		interruptible load management programs. This will total
16		over 6,300 megawatts, which with a normally planned
17		reserve of 20 percent will avoid 7,600 megawatts of new
18		construction by 1996. This is equivalent to six of the largest
19		generating sources and our customers will forever avoid
20		having to pay to service the capital represented by that
21		generation.
22		(Emphasis added.)
23		Load management and DSM efforts included promotion of energy
24		efficient building structures and appliances, use of residential conservation
25		rates, use of interruptible rates for large customers, control by the
26		Company (with customers' consent) of residential water heaters and air
27		conditioners during peak demand periods, time-of-day pricing, utilization
28		of emergency generators, and a weatherization program for the needy.
29		Projections were to weatherize 2,600 homes in South Carolina by the end
30		of 1983. To meet its public service responsibility of supplying electricity

at the lowest possible cost, the Commission ordered Duke to

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"aggressively pursue its Load Management Program so that it can meet
the goals set and provide adequate and sufficient service in the future."

A.

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Duke continued to emphasize the importance of load management and DSM programs during Docket No. 85-78-E, and on p. 13 of Order No. 85-841, Duke Witness Lee's testimony was that "Duke's load management program is the most comprehensive of any utility in this country." (Emphasis added). Further, a total of 37,000 homes had been weatherized in Duke' service area by 1985 (Order No. 85-841, p. 13). Likewise, Duke's load management and DSM efforts were on target for the Year 2000, as reported on pp.10-12 of Order No. 86-1116, avoiding the construction and debt service on the equivalent of two units the size of Catawba [Nuclear] One and Two.

Q. HOW DOES THIS COMPARE TO DUKE'S PROPOSAL IN THIS CASE?

Duke is proposing to replace its current 700 MW program with 1860 MW of capacity reductions over the next four years. See Duke's Application at 3. In addition, Duke proposes to weatherize up to 5,000 (low-income) homes in its service area. Please compare these amounts with Duke's previously mentioned load management and DSM efforts of 7,600 MW and a total of 37,000 homes in Duke' service area by 1985.

Q. DO YOU HAVE AN OPINION REGARDING THE ROBUSTNESS AND ADEQUACY OF DUKE'S PROPOSED SAVE-A-WATT PROGRAM?

Yes I do. Consistent with the testimony presented by ED-CCL-SACE-SELC witnesses Gilligan and Nichols in this case, I can only conclude that the expected benefits of Duke's proposed save-a-watt program pale in comparison with Duke's Commission-approved load management and DSM efforts in the past. Duke CEO Rogers has testified that his company's approach aspires "to create the most energy-efficient economy in the world" and "to substantially 'decarbonize' the energy supply." Testimony of James E. Rogers for Duke Energy Carolinas (Docket No. 2007-358-E) at 4-5. The modest energy savings included in Duke's proposal hardly appear likely to achieve such aspirations. Nor do the

1		capacity savings proposed by Duke appear likely to measure up to Duke's prior
2		load management program, approved by the Commission in Docket No. 85-78-E.
3		I have a very high opinion of the capabilities of Duke in almost all aspects
4		of the utility business. In fact, it is my opinion that they are capable of
5		accomplishing much more in regard to DSM and energy efficiency programs
6		compared with the save-a-watt proposal, consistent with Mr. Rogers' leadership
7		in the National Action Plan for Energy Efficiency. Because of the importance of
8		this matter, the Commission should not accept anything less than Duke's full
9		commitment to this effort.
10		
11		III. REGULATORY PRINCIPLES CONCERNING THE
12		COMMISSION'S EVALUATION OF EE RIDER (SC)
13		
14	Q.	WHAT ARE THE REGULATORY PRINCIPLES WHICH THE
15		COMMISSION HAS USED IN THE PAST CONCERNING RATE-
16		MAKING?
17		A. The guiding principles used by the Commission may be summarized as
18		follows:
19 20 21 22 23 24 25 26		• A public utility is entitled to such rates as will allow it to earn a return on the value of the property which it employs for the convenience of the public, equal to that generally being made at the same time and in the same general part of the country on investments in other business undertakings which are attended by corresponding risks and uncertainties; but it has no constitutional right to profits such as are realized or anticipated in highly profitable enterprises or speculative ventures.
27 28 29 30 31		 The return should be reasonably sufficient to assure confidence in the financial soundness of the utility and should be adequate, under efficient and economical management, to maintain and support its credit and enable it to raise the money necessary for the proper discharge of its public duties. A rate of return may be reasonable at one time and become too

¹ These standards are set forth in <u>Federal Power Commission v. Hope Natural Gas Company</u>, 320 U.S. 591, 602-03 (1944) and <u>Bluefield Water Works and Improvement Co. v. Public Service Commission of West Virginia</u>, 262 U.S. 679, 692-73 (1923).

money market and business conditions generally.¹

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high or too low by changes affecting the opportunities for investment, the

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2	Q.	DID THE COMMISSION USE THESE PRINCIPLES IN DUKE'S 1991
3		RATE CASE?
4	A.	Yes. The Commission used these same regulatory principles in Docket
5		No. 91-216-E (Order No. 91-1022) which is Duke's current and most recent base
6		rate Order. Please refer to p.65 of Order No. 91-1022. This Order remains in
7		effect today.
8	Q.	HAS THE COMMISSION USED AND UPHELD THESE PRINCIPLES IN
9	•	A MORE CURRENT RATE CASE?
10	A.	Yes. The Commission used these same regulatory principles in Docket
11	11.	No. 2004-178-1-216-E (Order No. 2005-2) which is South Carolina Electric and
12		Gas's ("SCE&G") current and most recent base rate Order. Please refer to pp. 83-
13		85 of Order No. 2005-2.
14		In addition, the Commission added additional guidance in Order No.
15		2005-2 concerning the evaluation of evidence including:
16		1) The rate of return should be sufficient to allow SCE&G
17 18		the opportunity to earn a return equal to firms facing
10 19		similar risks;
20		2) The rate of return should be adequate to assure
21		investors of the financial soundness of the utility and to
22		support the utility's credit and ability to raise capital
23 24		needed for on-going utility operations at reasonable cost;
2 4 25		cost,
26		3) The rate of return should be determined with due regard
		for the present business and capital market conditions
28		facing the utility;
27 28 29 30		
30		4) The rate of return is not formula-based, but requires an
31 32		informed expert judgment by the Commission balancing
32		the interests of shareholders and customers.
33 34		(Emphasis added)
35		(Emphasis added.)
36	Q.	DOES DUKE'S EE RIDER (SC) CONSITUTE RATE-MAKING?

1	A.	Yes. On p. 12 of Duke's Application, Duke is seeking Commission
2		approval to implement a rate-recovery mechanism, the EE Rider (SC), which will
3		be applied to all South Carolina Rate Schedules. As such, the principles discussed
4		above must apply.
5	Q.	IN YOUR OPINION, ARE DUKE'S SAVE-A-WATT PROPOSAL AND EE
6		RIDER (SC) CONSISTENT WITH THE COMMISION'S REGULATORY
7		PRINCIPLES AS APPLIED IN PRIOR ORDERS? IF NOT, THEN HOW
8		ARE THEY INCONSISTENT?
9	A.	No. These proposals are not consistent with the Commission's precedent
10		and regulatory principles because they utilize cost of capital and rate of return
11		values which do not represent the present business and capital market
12		conditions facing Duke. The cost of capital and rate of return are significantly
13		inflated compared to 2008 financial data.
14	Q.	WHAT COST OF CAPITAL HAS DUKE PROPOSED TO USE IN THE
15		CASE?
16	A.	In Duke's Application to the Commission and in Duke Witness Stevie's
17		testimony, Duke proposed to use the discount rate from Duke's last rate
18		proceeding in 1991 to calculate the avoided capacity and energy costs in the EE
19		Rider (SC). Duke's rate of return approved by the Commission in Order No. 91-
20		1022 was 12.25 percent with an overall rate of return based on the weighted cost
21		of capital equal to 10.35 percent.
22		However, in conflict with Dr. Stevie's testimony, Duke modified the
23		calculation of avoided capital and energy costs in Duke Witness Farmer's
24		testimony to include the rate of return from Duke's 2007 Avoided Cost Filing in
25		Docket No. 1995-1192-E and as approved in Order 2007-591. As discussed on p.
26		13 and p. 16 of Mr. Farmer's testimony, Duke proposes to calculate the avoided
27		capacity and energy costs based on (1) the rate of return based on evidence from
28		Docket No. 1995-1192-E, and a (2) the pre-tax weighted cost of capital based on
29		the capital structure, cost of long-term debt, cost of common equity and effective
30		tax rate based on evidence in Docket No. 1995-1192-E. Duke used a 13.68

1		percent pre-tax weighted cost of capital in calculating the avoided cost of capacity
2		and energy (Duke response to Wal-Mart Data Request 1-6).
3	Q.	HOW DOES A 13.86 PERCENT PRE-TAX WEIGHTED COST OF
4		CAPITAL COMPARE WITH RECENT COMMISSION RATE
5		APPROVALS?
6	A.	A 13.68 percent pre-tax weighted cost of capital is inflated above present
7		business and capital market conditions. Specifically, in the 2005 SCE&G rate
8		case (Docket No. 2004-178-1-216-E, Order No. 2005-2), the Commission
9		approved a weighted cost of capital of 10.70 percent and an overall rate of return
10		of 8.64 percent. Any person following market conditions over the last two years
11		knows that the cost of capital has declined since 2005.
12	Q.	HOW DOES A 13.86 PERCENT WEIGHTED COST OF CAPITAL
13		COMPARE WITH RECENT FINANCIAL FILINGS BY DUKE?
14	A.	On May 23, 2007, Duke filed its quarterly financial statement with the
15		Commission for the 12 months ending March 31, 2007. I would respectfully
16		request that the Commission take judicial notice of this filing. Based on a pro-
17		forma adjustment, Duke reported a weighted cost of capital of 8.67 percent, and
18		an overall (adjusted) rate of return of 8.60 percent. Of note, this was based on an
19		original base rate of approximately \$2.72 Billion compared with a rate base of
20		\$1.835 Billion approved by the Commission in Duke's current (1991) rate order
21		(Order No. 91-1022. It is important to note that Duke failed to provide any
22		calculation of the tax-adjusted cost of capital in this docket for comparison
23		with existing Commission approved cost of capital and rates of return
24		contained in the Commission's rate Orders.
25	Q.	IN YOUR OPINION, WHAT EFFECT DID DUKE'S CALCULATION OF
26		AVOIDED CAPACITY AND ENERGY COSTS HAVE ON THE AMOUNT
27		OF THE PER KWH CHARGE ON THE EE RIDER (SC)?
28	A.	Based on the information provided from Duke, it is my opinion that the
29		calculation improperly increased the per-kWh charge on the EE Rider (SC). By
30		using the 13.68 percent pre-tax weighted cost of capital contained in Docket No.
31		1995-1192-E compared with the 10.70 percent approved by the Commission in James B. Atkins Testimony on Behalf of ED, CCL, SACE and SELC

1		Order No. 91-1022, Duke improved its cost recovery by 298 basis points. In
2		addition, by using a cost of capital from 1995, instead of a cost of capital based on
3		current business and financial conditions, Duke effectively inflated its cost
4		recovery to the detriment of other companies and the ratepayers. However, to
5		emphasize the point again, Duke failed to provide any calculation of the tax-
6		adjusted cost of capital in this docket for comparison with existing
7		Commission approved cost of capital and rates of return contained in the
8		Commission's rate Orders.
9	Q.	IN YOUR OPINION, DOES THE USE OF A DIFFERENT COST OF
10		CAPITAL TO CALCULATE THE AVOIDED CAPACITY AND ENERGY
11		COSTS CREATE ANY ADDITIONAL PROBLEMS?
12	A.	Yes. Duke Witness Stevie apparently used the cost of capital from the
13		1991 rate case (10.70 percent) to determine the cost effectiveness of the portfolio
14		of DSM programs to be offered by Duke under the save-a-watt proposal. The
15		cost-effectiveness of those measures would be different had the higher cost of
16		capital (13.68 percent) used by Mr. Farmer been utilized. Having said this, it is
17		unclear in the testimony which cost of capital was actually used by Dr. Stevie to
18		compute program cost-effectiveness.
19	Q.	DO YOU HAVE A RECOMMENDATION FOR THE COMMISSION
20		REGARDING THE SAVE-A-WATT PROGRAM AND THE EE RIDER
21		(SC)?
22	A.	Yes. I would strongly recommend that the Commission reject Duke's
23		application for the save-a-watt program. I would also recommend that the
24		Commission require Duke to submit an application to the Commission this year to
25		re-examine (1) its general rates contained in Order No. 91-1022, and (2) the rates
26		and cost of capital associated with Docket No. 1995-1192-E and as approved in
27		Order 2007-591 should Duke insist on using Docket No. 1995-1192-E as its
28		under-pinning to calculate avoided capacity and energy costs.
29	Q.	PLEASE STATE YOUR REASONS FOR MAKING THIS
30		RECOMMENDATION.

1	A.	As stated above, Duke is seeking Commission approval to implement a
2		rate-recovery mechanism, the EE Rider (SC), which will be applied to all South
3		Carolina Rate Schedules, based on outdated cost of capital data. It would be
4		inappropriate for the Commission to approve a rate-recovery mechanism in 2008
5		based on business and capital market conditions in 1995. To do so would be
6		inconsistent with the long held practice and precedent of the Commission
7		concerning rate making, and would prejudice other companies appearing before
8		the Commission in rate case matters. Most importantly, approval of the current
9		proposal is not in the public interest since Duke has escalated the recovery of
10		DSM program costs through the use of an artificially high cost of capital. The
11		Commission should not proceed with an evaluation of the "save-a-watt" program
12		and/or EE Rider (SC) until such time that the public and other interested parties
13		are allowed the opportunity for a hearing to determine the correct cost of capital,
14		based on current business and capital market conditions, to be used in DSM and
15		energy efficiency programs proposed by Duke.
16	Q.	PLEASE BRIEFLY DESRIBE THE COMMISSION'S ACTION ON DSM
17		PROGRAM COST RECOVERY IN DUKE'S MOST RECENT AND
18		CURRENT GENERAL RATE CASE?
19	A.	As stated above, Order No. 91-1022 (Docket No. 91-216-E) is Duke's
20		most recent base rate Order and remains in effect as of this hearing. On pp. 25-26
21		of that Order, the Commission set forth a cost recovery mechanism for Duke's
22		DSM programs whereby Duke would:
23		
24		credit the deferred account for found revenues to the extent
25		lost revenues resulting from lost KWH sales due to
26		DSM conservation programs are included in the deferred
27		account. A return on the deferred balance will be
28		computed monthly and added to the balance. The rate of
29		return will equal the net of tax rate of return approved
30		by the Commission in this Docket or subsequent rate
31		cases. The Stipulation also provides that if it is determined

1		that the expenditures were prudent for used and useful
2		DSM programs, the balance in the deferred account will be
3		reflected in the Company's next rate case or appropriate
4		IRP Docket
5		(Emphasis added.)
6	Q.	WHAT IS YOUR KNOWLEDGE OF THE CURRENT BALANCE OF THE
7		ABOVE DEFERED ACCOUNT?
8	A.	As stated on p. 15 of Duke's Application, as of June 30, 2007, the balance
9		of the deferred account was (\$86,864,237). This balance apparently reflects
10		Duke's \$18 Million in DSM and energy efficiency spending referenced on p. 20
11		of Duke Witness Farmer's testimony. This sizable balance apparently is the result
12		of two factors. First, Duke has not filed a rate case with the Commission since
13		1991 to recover the deferred balance, and second, the IRP Docket process was
14		altered as a result of S.C. Code §58-37-40 and Order No. 98-502 referenced in
15		Section I of my testimony. Therefore, Duke has not made an effort to address this
16		deferred balance.
17	Q.	ON PAGE 15 OF DUKE'S APPLICATION, THE COMPANY STATES
18		THAT THE COMMISSION REAFFIRMED THE DSM COST
19		REVOVERY PROCESS REFERENCED ABOVE IN ORDER NO. 93-8. DO
20		YOU HAVE ANY ADDITIONAL INFORMATION CONCERNING THIS
21		ORDER?
22	A.	Yes. Order 93-8 references a Stipulation between Duke and the
23		Commission Staff dated July 27, 1992, which addressed DSM cost recovery. On
24		p. 37, the Order states:
25		
26		The Stipulation states that: The deferred account process as
27		proposed within Duke's cost recovery plan with carrying
28		cost coverage and subsequent cost of service amortization
29		is an appropriate accounting mechanism to provide for
30		recovery of DSM costs identified through the IRP process.
31		Nothing in the cost recovery plan limits the Commission James B. Atkins Testimony on Behalf of ED, CCL, SACE and SELC, PSCSC Docket No. 2007-358-E

1		Staff's audit authority to review whether all costs deferred
2		were reasonable and consistent with acceptable costs for
3		inclusion in cost of service.
4		In addition, the Order also discusses a shared savings mechanism. The
5		parties agreed that the concept of shared savings is consistent with S.C. Code §58-
6		37-20, an energy bill which the legislature passed in 1992 dealing with
7		conservation and energy efficiency.
8	Q.	WHY IS THIS RELEVANT TO THE ISSUES BEFORE THE
9		COMMISSION IN THIS DOCKET?
10	A.	As stated on pp. 14-15 of Duke's Application, Duke is requesting
11		Commission approval of the recovery mechanism proposed as part of the save-a-
12		watt program in lieu of the current DSM cost recovery plan approved in Order
13		No. 91-1022 and as reaffirmed in Order 93-8. Duke is making this request
14		because it believes that the proposed cost recovery plan is superior to the existing
15		method of cost recovery approved in Order No. 91-1022, and is more consistent
16		with S.C. Code §58-37-20.
17		The Commission went to great lengths to hear evidence presented by
18		Duke in Docket No. 91-216-E concerning whether a shared savings mechanism
19		was consistent with S.C. Code §58-37-20, and agreed with a stipulation that it was
20		consistent. Apparently, Duke never argued that the cost recovery plan was
21		inconsistent with S.C. Code §58-37-20 and agreed to a stipulation that the cost
22		recovery was consistent with S.C. Code §58-37-20. In fact, in Order 91-1022, the
23		Commission has already approved a cost recovery mechanism for Duke which is
24		consistent with S.C. Code §58-37-20.
25	Q.	WHAT IS YOUR OPINION OF THE COST RECOVERY PLAN
26		PROPOSED BY DUKE IN THIS DOCKET?
27	A.	I support the conclusions and testimony of the other ED-CCL-SACE-
28		SELC witnesses that the cost recovery plan is regressive, not in the ratepayers'
29		interest, and is inconsistent with generally accepted practices for DSM and energy
30		efficiency cost recovery approved by other Commissions. I also believe it is
31		patently unfair to attempt to recover excessive future avoided capacity and energy

1		costs to promote DSM and energy efficiency practices which have no mixage to
2		actual program costs or erosion of revenues based on an amortization of rate base
3		found in Duke's current rate Order. If DSM and energy efficiency practices cost a
4		lesser amount than the construction, financing and operation of generation,
5		transmission and distribution systems, then the ratepayer should receive that
6		benefit. To do otherwise would not be consistent with generally accepted least
7		cost planning and IRP concepts contained in Order No. 98-502 or with S.C. Code
8		§58-37-20.
9	Q.	BUT DOES DUKE NOT LOSE POTENTIAL REVENUES FROM THE
10		EFFECTIVE IMPLEMENTATION OF DSM AND ENERGY
11		EFFICIENCY PROGRAMS? WHAT IS THEIR INCENTIVE TO
12		PARTICIPATE?
13	A.	Yes. However, the Commission has already approved a cost recovery
14		mechanism in Order No. 91-1022 which allows Duke to recover DSM program
15		costs and in fact, to earn a return on those program costs, and important to your
16		question, to recover lost revenues resulting from lost KWH sales due to DSM
17		conservation programs.
18		Despite this generous cost recovery mechanism approved and granted by
19		the Commission which was consistent with S.C. Code §58-37-20, Duke has never
20		taken advantage of this opportunity because Duke has failed to request recovery
21		of DSM costs in a general rate case.
22	Q.	IS IT YOUR CONCLUSION THAT DUKE DOES NOT NEED TO
23		DEVELOP A NEW COST RECOVERY PROGRAM TO DEVELOP A
24		NEW DSM AND ENERGY EFFICIENCY PROGRAM?
25	A.	Yes. As stated earlier in my testimony, I would recommend that the
26		Commission order Duke to submit an application to the Commission this year to
27		re-examine its general rates contained in Order No. 91-1022 and that the current
28		cost recovery plan approved by the Commission, along with progressive cost
29		recovery plans approved by other State Commissions, be considered for the
30		recovery of future DSM programs and energy efficiency programs at that time.
31	Q.	DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

1 A. Yes, it does.

CERTIFICATE OF SERVICE

I hereby certify that the following persons have been served with the Southern Environmental Law Center (SELC), Southern Alliance for Clean Energy (SACE), the South Carolina Coastal Conservation League (CCL), and Environmental Defense (ED) pre-filed expert witness testimony of James B. Atkins:

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This 17th day of January, 2008.

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